

## Title (en)

METHOD FOR CONVERSION OF ETHYLBENZENE AND PROCESS FOR PRODUCTION OF PARA-XYLENE

## Title (de)

VERFAHREN ZUR UMWANDLUNG VON ETHYLBENZOL UND VERFAHREN ZUR HERSTELLUNG VON PARA-XYLOL

## Title (fr)

PROCEDE DE CONVERSION DE L'ETHYLBENZENE ET PROCEDE DE PRODUCTION DU PARA-XYLENE

## Publication

**EP 2008988 A4 20091028 (EN)**

## Application

**EP 07739985 A 20070328**

## Priority

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## Abstract (en)

[origin: EP2008988A1] A process for converting ethylbenzene, by which ethylbenzene in a feedstocks containing C8 aromatic hydrocarbon is converted to benzene at a high degree of conversion is disclosed. The process for converting ethylbenzene comprises the step of bringing a C8 aromatic hydrocarbon mixed feedstocks containing ethylbenzene into contact with an acid type catalyst containing at least one metal selected from the group consisting of the metals belonging to Group VII and Group VIII in the presence of H<sub>2</sub> to convert ethylbenzene to benzene. The feedstocks contains C9-C10 aromatic hydrocarbons including ethyltoluene, and the ethyltoluene is converted to toluene together with the conversion of ethylbenzene.

## IPC 8 full level

**C07C 4/18** (2006.01); **B01J 29/48** (2006.01); **C07B 61/00** (2006.01); **C07C 5/27** (2006.01); **C07C 15/04** (2006.01); **C07C 15/06** (2006.01); **C07C 15/08** (2006.01)

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## C-Set (source: EP US)

1. **C07C 4/18 + C07C 15/04**
2. **C07C 5/2708 + C07C 15/08**
3. **C07C 5/2724 + C07C 15/08**
4. **C07C 7/148 + C07C 15/08**

## Citation (search report)

- [XY] WO 2005071045 A1 20050804 - POLIMERI EUROPA SPA [IT], et al
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- [DA] US 6342649 B1 20020129 - WINTER GEORGE R [US], et al
- See also references of WO 2007114127A1

## Cited by

EP2253607A4; US8071832B2

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